

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20070224106").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/19 15:45
S2	36379	"carbon nanotubes" or CNTs or "single-walled carbon nanotubes" or SWNTs or "multi-walled carbon nanotubes" or MWNTs	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/24 15:08
S3	94131	"non ionic surfactant" or polyoxyethylene	US-PGPUB; USPAT	OR	ON	2008/07/24 15:11
S4	171755	"polar solvent" or dmf or nmp or dmac or pvp	US-PGPUB; USPAT	OR	ON	2008/07/24 15:12
S5	1245048	filt\$3 or "particle size" or "glass fiber filter"	US-PGPUB; USPAT	OR	ON	2008/07/24 15:14
S6	7515	"dispersing liquid" or "uniformly disperse"	US-PGPUB; USPAT	OR	ON	2008/07/24 15:15
S7	2	S2 and S3 and S4 and S5 and S6	US-PGPUB; USPAT	OR	ON	2008/07/24 15:16
S8	0	("2007/0131915").URPN.	USPAT	OR	ON	2008/07/24 15:19
S9	0	("2007/0224106").URPN.	USPAT	OR	ON	2008/07/24 15:19
S10	1	("6346023").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 15:23
S11	1	S10 and S2	US-PGPUB; USPAT	OR	ON	2008/07/24 15:25
S12	1	S10 and S5	US-PGPUB; USPAT	OR	ON	2008/07/24 15:25
S13	0	("2003649877").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 15:28
S14	1	("20040136894").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 15:33
S15	0	S8 and S3	US-PGPUB; USPAT	OR	ON	2008/07/24 15:34
S16	0	S8 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/24 15:35
S17	0	("200403989").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 15:38
S18	0	("2004039893").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/24 15:38
S19	2737	toray.as.	US-PGPUB; USPAT	OR	ON	2008/07/28 10:45
S20	763	S19 and @py<="2004">="1999"	US-PGPUB; USPAT	OR	ON	2008/07/28 10:45
S21	74265	"423".clas.	US-PGPUB; USPAT	OR	ON	2008/07/28 10:46

S22	14	S20 and S21	US-PGPUB; USPAT	OR	ON	2008/07/28 10:46
S23	8	S22 and disper\$4	US-PGPUB; USPAT	OR	ON	2008/07/28 10:46
S27	36414	"carbon nanotubes" or CNTs or "single-walled carbon nanotubes" or SWNTs or "multi-walled carbon nanotubes" or MWNTs	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/28 10:48
S28	776	S27 and (polyvinylpyrrolidone or PVP)	US-PGPUB; USPAT	OR	ON	2008/07/28 10:48
S29	29	S21 and S28	US-PGPUB; USPAT	OR	ON	2008/07/28 10:49
S31	26	S29 and dispers\$4	US-PGPUB; USPAT	OR	ON	2008/07/28 11:07
S32	6	S31 and "polar solvent"	US-PGPUB; USPAT	OR	ON	2008/07/28 11:08
S33	5	S31 and NMP	US-PGPUB; USPAT	OR	ON	2008/07/28 11:08
S34	6	S32 and surfactant	US-PGPUB; USPAT	OR	ON	2008/07/28 11:09
S35	1	S34 and @py<="2003"	US-PGPUB; USPAT	OR	ON	2008/07/28 11:09
S36	3	S34 and ultrasonic\$4	US-PGPUB; USPAT	OR	ON	2008/07/28 11:19
S37	1	("7250589").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/28 11:31
S38	36414	"carbon nanotubes" or CNTs or "single-walled carbon nanotubes" or SWNTs or "multi-walled carbon nanotubes" or MWNTs	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/28 15:42
S39	171755	"polar solvent" or dmf or nmp or dmac or pvp	US-PGPUB; USPAT	OR	ON	2008/07/28 15:42
S40	36414	"carbon nanotubes" or CNTs or "single-walled carbon nanotubes" or SWNTs or "multi-walled carbon nanotubes" or MWNTs	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/28 15:42
S41	776	S40 and (polyvinylpyrrolidone or PVP)	US-PGPUB; USPAT	OR	ON	2008/07/28 15:42
S42	620	S41 and S38 and S39	US-PGPUB; USPAT	OR	ON	2008/07/28 15:42
S43	620	S41 and S38 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/28 15:43
S44	154	S43 and @py<="2004"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/28 15:43
S45	73	("carbon nanotubes" or CNTs or "single-walled carbon nanotubes" or SWNTs or "multi-walled carbon nanotubes" or MWNTs)same (polyvinylpyrrolidone or PVP)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/28 15:46

S46	9	("carbon nanotubes" or CNTs or "single-walled carbon nanotubes" or SWNTs or "multi-walled carbon nanotubes" or MWNTs)same (polyvinylpyrrolidone or PVP)same ("polar solvent" or dmf or nmp)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/28 15:47
S47	0	("carbon nanotubes" or CNTs or "single-walled carbon nanotubes" or SWNTs or "multi-walled carbon nanotubes" or MWNTs)near (polyvinylpyrrolidone or PVP)near ("polar solvent" or dmf or nmp)	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	ON	2008/07/28 16:04
S48	9	("carbon nanotubes" or CNTs or "single-walled carbon nanotubes" or SWNTs or "multi-walled carbon nanotubes" or MWNTs) WITH (polyvinylpyrrolidone or PVP) WITH ("polar solvent" or dmf or nmp)	US-PGPUB; USPAT; EPO; JPO; DERWENT	WITH	ON	2008/07/28 16:05
S49	1	("7008563").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/28 16:15
S50	1	("7008563").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/28 16:16
S51	0	("L14andsolvent").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/28 16:16
S52	0	S50 and dmp	US-PGPUB; USPAT	OR	ON	2008/07/28 16:16
S53	1	S50 and solvent	US-PGPUB; USPAT	OR	ON	2008/07/28 16:16
S54	1	S50 and nm	US-PGPUB; USPAT	OR	ON	2008/07/28 16:35
S55	0	S50 and um	US-PGPUB; USPAT	OR	ON	2008/07/28 16:39
S56	0	S50 and scatter\$3	US-PGPUB; USPAT	OR	ON	2008/07/28 16:42
S57	1	S50 and light	US-PGPUB; USPAT	OR	ON	2008/07/28 16:42
S58	1	S50 and property	US-PGPUB; USPAT	OR	ON	2008/07/28 16:43
S59	1	S50 and filter\$4	US-PGPUB; USPAT	OR	ON	2008/07/28 16:53
S60	1	S50 and nonionic	US-PGPUB; USPAT	OR	ON	2008/07/28 17:00
S61	0	S38 and S39 and S40 and S41 and S42 and S43 and S44 and S45 and S46 and S48 and S49 and S50 and S53 and S54 and S57 and S58 and S59 and S60	US-PGPUB; USPAT	OR	ON	2008/07/28 17:09
S62	37	S44 and surfactant	US-PGPUB; USPAT	OR	ON	2008/07/28 17:10
S63	7	S62 and "nonionic surfactant"	US-PGPUB; USPAT	OR	ON	2008/07/28 17:10
S64	11	S62 and polyoxyethylene	US-PGPUB; USPAT	OR	ON	2008/07/28 17:15

S65	26	S62 and scatter\$3	US-PGPUB; USPAT	OR	ON	2008/07/28 17:18
S66	36440	"carbon nanotubes" or CNT's or "single-walled carbon nanotubes" or SWNT's or "multi-walled carbon nanotubes" or MWNTs	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/29 07:27
S67	171846	"polar solvent" or dmf or nmp or dmac or pvp	US-PGPUB; USPAT	OR	ON	2008/07/29 07:27
S68	36440	"carbon nanotubes" or CNT's or "single-walled carbon nanotubes" or SWNT's or "multi-walled carbon nanotubes" or MWNTs	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/29 07:27
S69	778	S68 and (polyvinylpyrrolidone or PVP)	US-PGPUB; USPAT	OR	ON	2008/07/29 07:27
S70	622	S69 and S66 and S67	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/29 07:27
S71	154	S70 and @py<="2004"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/07/29 07:27
S72	37	S71 and surfactant	US-PGPUB; USPAT	OR	ON	2008/07/29 07:27
S73	0	S72 and "light scatter\$4"	US-PGPUB; USPAT	OR	ON	2008/07/29 07:27
S74	0	S72 and " scatter\$4"	US-PGPUB; USPAT	OR	ON	2008/07/29 07:27
S75	19	S72 and scattering	US-PGPUB; USPAT	OR	ON	2008/07/29 07:27
S76	1	("20030122111").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/29 07:46
S77	1	S76 and solvent	US-PGPUB; USPAT	OR	ON	2008/07/29 07:46
S78	1	S77 and PVP	US-PGPUB; USPAT	OR	ON	2008/07/29 07:46
S79	1	S78 and nmp	US-PGPUB; USPAT	OR	ON	2008/07/29 07:52
S80	1	("20020046872").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/29 08:10
S81	1	("20030122111").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/29 08:23
S82	1	S81 and solvent	US-PGPUB; USPAT	OR	ON	2008/07/29 08:23
S83	1	S82 and PVP	US-PGPUB; USPAT	OR	ON	2008/07/29 08:23
S84	1	S83 and nmp	US-PGPUB; USPAT	OR	ON	2008/07/29 08:23
S85	1	S84 and surfactant	US-PGPUB; USPAT	OR	ON	2008/07/29 08:23
S86	0	S84 and "nonionic surfactant"	US-PGPUB; USPAT	OR	ON	2008/07/29 08:24
S87	0	S84 and "non-ionic surfactant"	US-PGPUB; USPAT	OR	ON	2008/07/29 08:24

S88	0	S84 and polyoxyethylene	US-PGPUB; USPAT	OR	ON	2008/07/29 08:25
S89	0	S84 and "molecular weight"	US-PGPUB; USPAT	OR	ON	2008/07/29 08:25
S90	0	S84 and ultrasonication	US-PGPUB; USPAT	OR	ON	2008/07/29 08:26
S91	0	S84 and ultrasoni\$5	US-PGPUB; USPAT	OR	ON	2008/07/29 08:26
S92	1	S84 and soni\$5	US-PGPUB; USPAT	OR	ON	2008/07/29 08:26
S93	1	S84 and filter\$4	US-PGPUB; USPAT	OR	ON	2008/07/29 08:30
S94	1	S84 and scattering	US-PGPUB; USPAT	OR	ON	2008/07/29 08:32
S95	1	("6790942").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/30 07:30
S96	6119	carbon near1 nano	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/11 08:14
S97	27141	carbon near1 nanotub\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/11 08:15
S99	242	carbon near1 nanotub\$5 same \$pyrrolidone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/11 08:16
S100	43	carbon near1 nanotub\$5 same \$pyrrolidone same surfactant	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/11 08:17
S101	0	S100 and @pyc:"2004"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/11 08:18
S103	2	"2005154630"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/03/11 13:18
S104	2	("2004136894").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/11 13:33
S105	3	("2003292801").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/11 13:36
S106	2	("20080268159").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/12 14:12
S107	0	("2008/0268159").URPN.	USPAT	OR	ON	2009/03/12 14:15
S108	6	"5505879"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 10:33
S109	5	((("2002076724") or ("20030122111"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/08 10:38
S110	2	("20030093107").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/08 10:41

S111	2	("20030113940").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/08 10:51
S112	118	non adj aqueous same carbon adj nanotube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 10:56
S113	0	non adj aqueous same carbon adj nanotube same (polyvinylpyrrolidone or pvp)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 10:57
S114	0	non adj aqueous same carbon adj nanotube same polyvinylpyrrolidone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 10:57
S115	0	non adj aqueous same carbon adj nanotube same pvp	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 10:58
S116	0	non adj aqueous same carbon adj nanotube with polyvinylpyrrolidone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 10:58
S117	570	polyvinylpyrrolidone or pvp and nanotube	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 10:59
S118	4	S112 and S117	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 10:59
S119	7	S112 and @pyc"2003"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/08 11:13
S120	5	(methylpyrrolidone or NMP) same (polyvinylpyrrolidone or PVP) same nanotubes	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/11 12:12
S121	3	("2008145910").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/11 12:24
S122	1	("200216257").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/11 12:26
S123	4	("2002016257").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/11 12:26
S124	2	("7259196").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/11 12:47
S125	2	("20040028875").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/11 12:52

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S129	0	(methylpyrrolidone or NMP)with (polyvinylpyrrolidone or PVP)with nanotube\$1	USPAT; UPAD	OR	ON	2009/11/11 12:55

S130	0	(methylpyrrolidone or NMP) same (polyvinylpyrrolidone or PVP) same nanotube\$1	USPAT; UPAD	OR	ON	2009/11/11 12:55
S131	22	(methylpyrrolidone or NMP) and (polyvinylpyrrolidone or PVP) and nanotube\$1	USPAT; UPAD	OR	ON	2009/11/11 12:56
S132	121	(methylpyrrolidone or NMP) and (polyvinylpyrrolidone or PVP) and nanotube\$1	US-PGPUB; USPAT; UPAD	OR	ON	2009/11/11 12:56
S133	29	(methylpyrrolidone or NMP) and (polyvinylpyrrolidone or PVP) and nanotube\$1 and non adj aqueous	US-PGPUB; USPAT; UPAD	OR	ON	2009/11/11 12:56
S134	0	(methylpyrrolidone or NMP) same (polyvinylpyrrolidone or PVP) and nanotube\$1 same non adj aqueous	US-PGPUB; USPAT; UPAD	OR	ON	2009/11/11 12:57
S137	0	"423"/\$.ccls. same nanotubes	USPAT; UPAD	OR	ON	2009/11/11 13:11
S138	68425	"423"/\$.ccls.	USPAT; UPAD	OR	ON	2009/11/11 13:11
S139	29	S138 and nanotubes and non-aqueous	USPAT; UPAD	OR	ON	2009/11/11 13:11

11/ 11/ 2009 2:33:07 PM

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